

Claims

What is claimed is:

- 1 1. An apparatus for shielding a patient's eye while allowing the patient's eye contact
2 with air, the apparatus comprising:
3 a. an eyeshield having an optically correct viewing area; and
4 b. a plurality of vents surrounding the optically correct viewing area for
5 allowing air to circulate through the eyeshield.
- 1 2. The apparatus as claimed in claim 1 further comprising openings in the eyeshield
2 for coupling a strap to the eyeshield.
- 1 3. The apparatus as claimed in claim 2 wherein the length of the strap is adjustable
2 for holding the eyeshield in front of the human eye.
- 1 4. The apparatus as claimed in claim 1 wherein the eyeshield is substantially circular
2 in shape and has a nose bridge protrusion extending from the substantially circular shape
3 that is configured such that the nose bridge protrusion rests on and above the patient's
4 nose and maintains close proximity to the patient's nose and eyebrow.
- 1 5. The apparatus as claimed in claim 1 wherein the plurality of vents are a plurality
2 of apertures through the lens.
- 1 6. The apparatus as claimed in claim 5 wherein the plurality of apertures through the
2 lens do not distort vision.
- 1 7. An apparatus for shielding a patient's eye while allowing the patient's eye contact
2 with air, the apparatus comprising:
3 a. an eyeshield having an optically correct viewing area; and
4 b. a cushioning structure affixed to the perimeter of a first surface of the

5 eyeshield wherein the cushioning structure includes a plurality of vents for
6 allowing air to circulate behind the eyeshield.

1 8. The apparatus as claimed in claim 7 further comprising openings in the eyeshield
2 for coupling a strap to the eyeshield.

1 9. The apparatus as claimed in claim 8 wherein the length of the strap is adjustable
2 for holding the eyeshield in front of the human eye.

1 10. The apparatus as claimed in claim 7 wherein th plurality of vents do not distort
2 vision.

1 11. A medical eyeshield for shielding a patient's eye while allowing the patient's eye
2 contact with air, the medical eyeshield comprising:

- 3 a. means for shielding a human eye said shielding means being optically
4 correct;
5 b. means for securing the shielding means;
6 c. means for coupling the securing means with the shielding means; and
7 d. means for circulating air between the human eye and the shielding means
8 while preserving the optically correct nature of the shielding means.

1 12. The medical eyeshield as claimed in claim 11 wherein the securing means is an
2 adjustable strap.

1 13. The medical eyeshield as claimed in claim 11 wherein the circulating means does
2 not distort vision.

1 14. A method of manufacturing an eyeshield comprising the steps of:

- 2 a. producing a mold that will fashion an eyeshield wherein the eyeshield is
3 optically clear; and
4 b. polishing the surface of the mold to facilitate the eyeshield being optically

5 correct.

1 15. The method as claimed in claim 14 further comprising coupling an adjustable
2 strap with the eyeshield.

1 16. The method as claimed in claim 14 wherein the mold fashions the eyeshield
2 including a plurality of vents.

1 17. The method as claimed in claim 16 wherein the plurality of vents are configured
2 as to not distort vision.

1 18. A method of manufacturing an eyeshield comprising the steps of:
2 a. cutting an eyeshield from an optically clear and optically correct material;
3 b. affixing a cushioning structure having a plurality of vents to the perimeter
4 of one surface of the eyeshield; and
5 c. coupling an adjustable strap with the eyeshield.